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Isolation of a growth and mitosis inhibitory peptide from mouse liver.

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The isolation of a liver peptide that inhibits the growth, mitosis rate and thymidine incorporation in regenerating liver is described. The peptide has the structure Pyroglu-gln-gly-ser-asn, and the deamidated forms are also active. The peptide probably belongs to a class of growth inhibitors with a high degree of tissue specificity. Two such peptides have previously been isolated from the epidermis (Reichelt et al. 1987) and from colonic tissue (Skraastad et al. 1987).

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